

REMARKS

In the Office Action mailed 10 August 2005, the Examiner allows claims 1 – 32, but rejects claims 33 – 42 under 35 U.S.C. §112, 2nd paragraph, for being indefinite. In particular, the Examiner argues that the language of claim 33 is contradictory. Applicants disagree.

First, Applicants note that in forming the rejection, the Examiner misquotes claim 33 when he asserts that claim 33 claims separating the input signal “into two distinct components, one is an amplitude component and another is a phase component,” and that “the amplitude of the phase component is modified” (emphasis added by the Examiner). In fact, claim 33 clearly claims an input signal that is separated into distinct phase and amplitude component signals, where, as shown in Figures 2A – 2F, the phase component signal and the amplitude component signal each have their own amplitude. Because of the misquote, Applicants believe the Examiner misunderstood the claim language.

Further, because claim 33 clearly claims separating the input signal into two distinct signals (the amplitude component signal and the phase component signal), and because claim 33 makes it clear that the amplitude of the phase component signal is modified, Applicants submit that claim 33 does not contain contradictory language. As such, Applicants submit that claims 33 – 42 satisfy the requirements of §112, 2nd paragraph. Applicants request reconsideration.

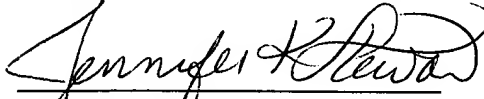
In addition to the above remarks Applicants amend claims 21 and 42 to correct minor typographical errors. No new matter is added.

In light of the enclosed amendments and the above remarks, Applicants request that the Examiner reconsider the rejections and allow claims 1 – 42. Should any issues remain

unresolved, Applicants request that the Examiner call the undersigned so that any such issues may be resolved expeditiously.

Respectfully submitted,

COATS & BENNETT, P.L.L.C.

A handwritten signature in black ink, appearing to read "Jennifer K. Stewart", written over a horizontal line.

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